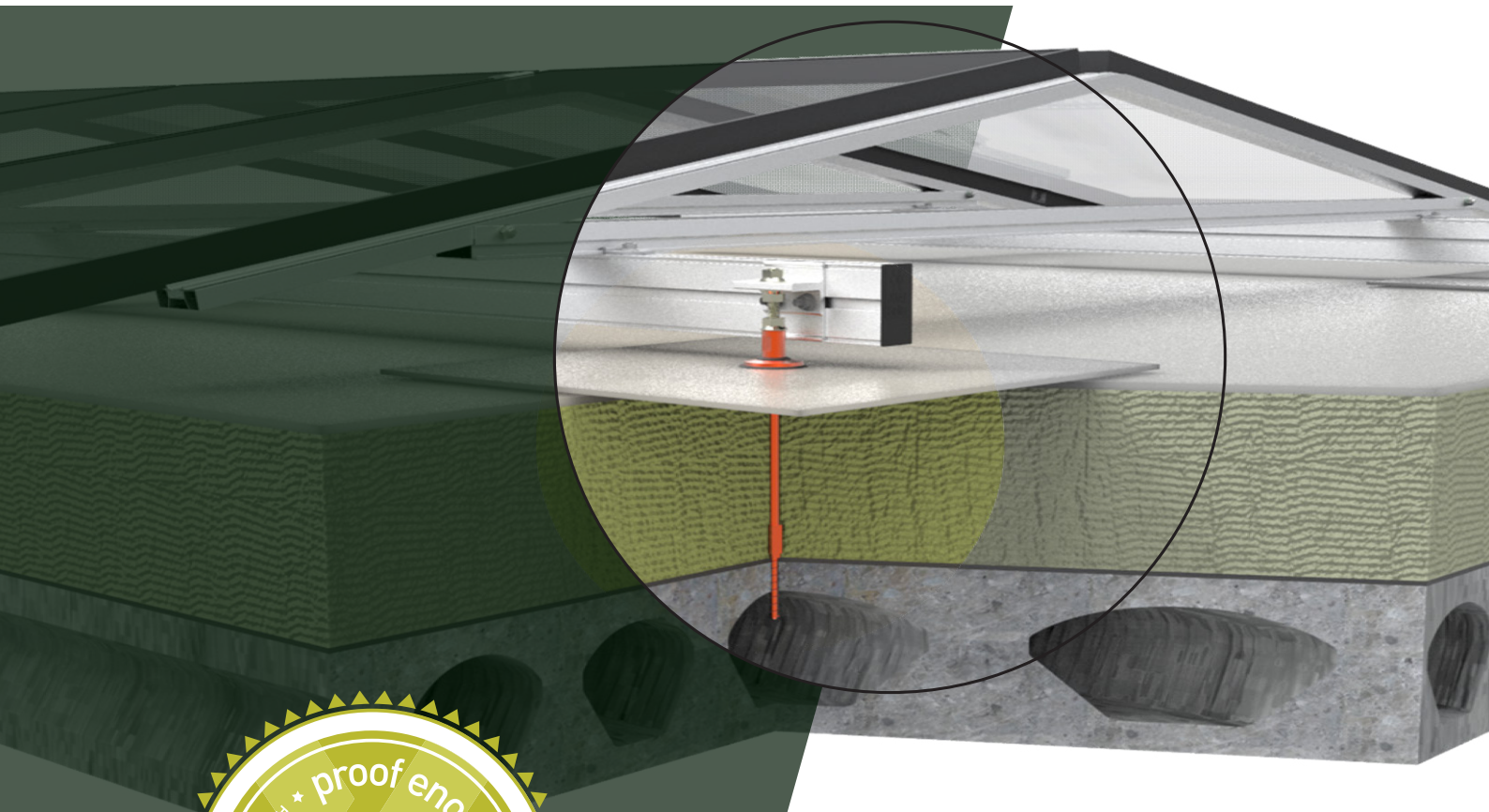




FIXNORDIC.DK

# Installation Guideline

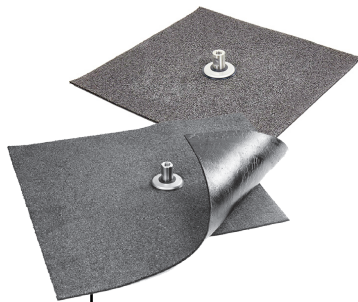


## Installation Guideline DirectFix Roof Console on Concrete Deck

**FIXNORDIC**  
proof enough.



## Current Anchor/Product Overview



### Tagkonsol DirectFix

#220062-1xx 1 layer of bitumen

#230062-1xx 2 layers of bitumen



### Concrete anchor DirectFix

#210072-250 Concrete Anchor

#210072-500 Concrete Anchor

#210072-700 Concrete Anchor

#210072-1000 Concrete Anchor



### Wood Anchor DirectFix

#210073-250 Wood Anchor

#210073-500 Wood Anchor

#210073-700 Wood Anchor

#210073-1000 Wood Anchor



### Concrete Anchor DirectFix

#210074-250 Trapez Anchor

#210074-500 Trapez Anchor

#210074-700 Trapez Anchor

#210074-1000 Trapez Anchor



### Light Concrete Anchor DirectFix

#210075-250 Light Concrete Anchor

#210075-500 Light Concrete Anchor

#210075-700 Light Concrete Anchor

#210075-1000 Light Concrete Anchor



### Seal For Leveled Vapor Barrier

#250053



# Tools and symbol overview

The following list presents the relevant tools necessary for an efficient and reasonable installation of the DirectFix Roof Console on to warm roof constructions with a concrete deck.



Hammer Drill Driver



Ø8 Hammer Drill  
250109 - Ø8x465  
250110 - Ø8x540



Bitumen: Gas Torch



Impact Wrench with a 19 mm Socket



Ruler



Grinder



Manual Handling



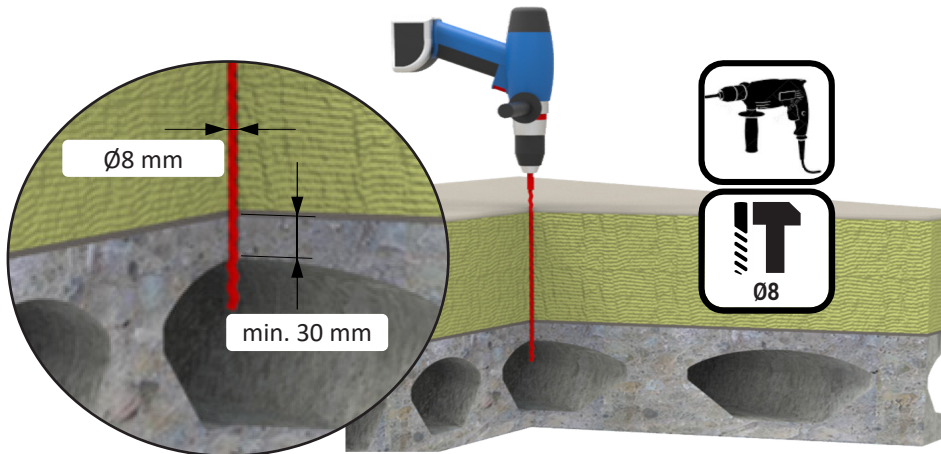
Tightening operation  
(clock wise rotation)



Loosening operation  
(anti clock wise rotation)

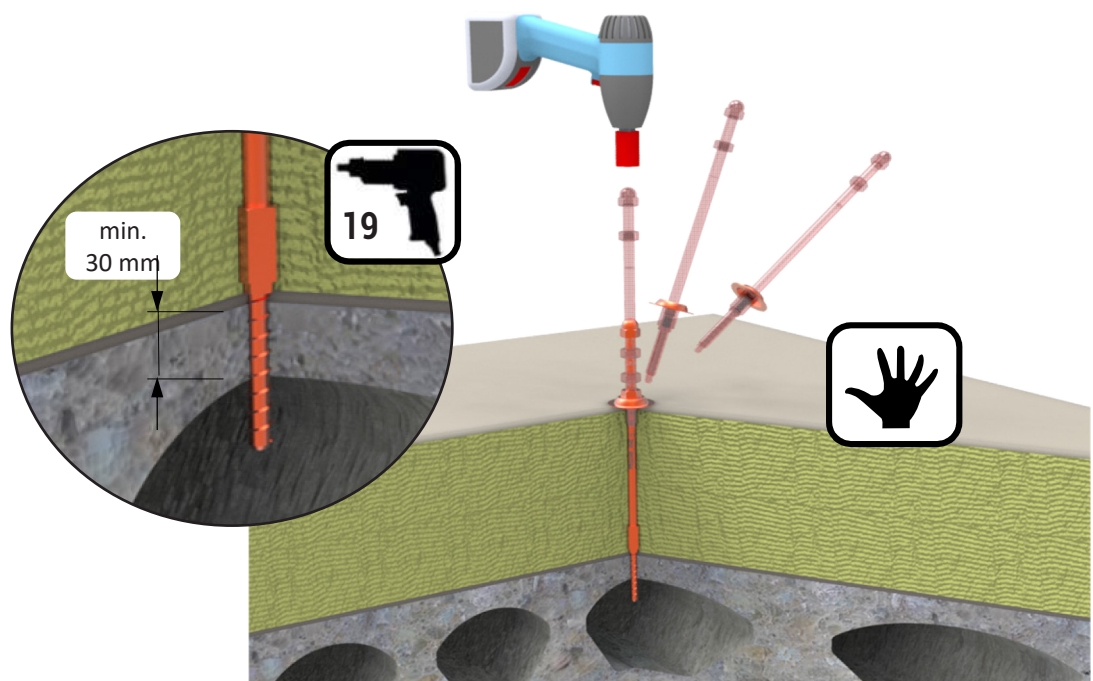


## 1. Insulation removal and Concrete predrilling



The precondition for concrete console anchors is an effective minimum set depth of 30 mm. When drilling in solid concrete it is important to drill approximately 20 - 30 mm deeper than the required anchor depth in order to ensure that enough drilling material has been removed from the hole and hereby reaching compliance with the intended bolt set depth.

## 2. DirectFix Concrete Anchor Installation

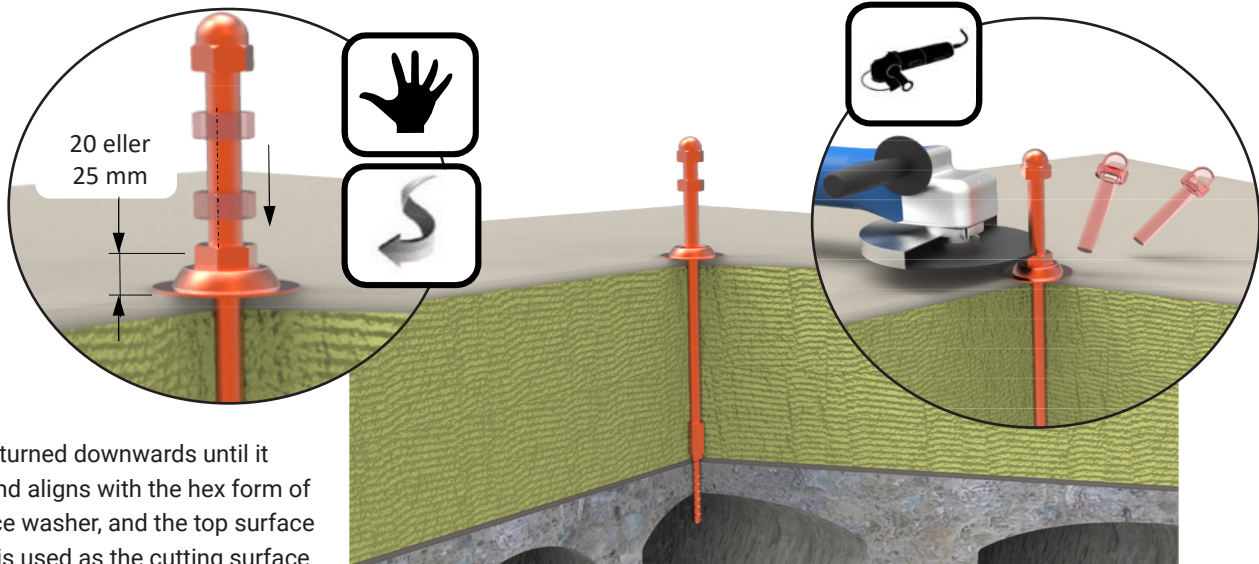


The first action in this process is to push the anchor through the predrilled  $\varnothing 8$  mm hole in the insulation and all the way to the top of the concrete deck and at this point the anchor is engaged with an impact wrench and hereby tapping it into the concrete through its selftapping thread.

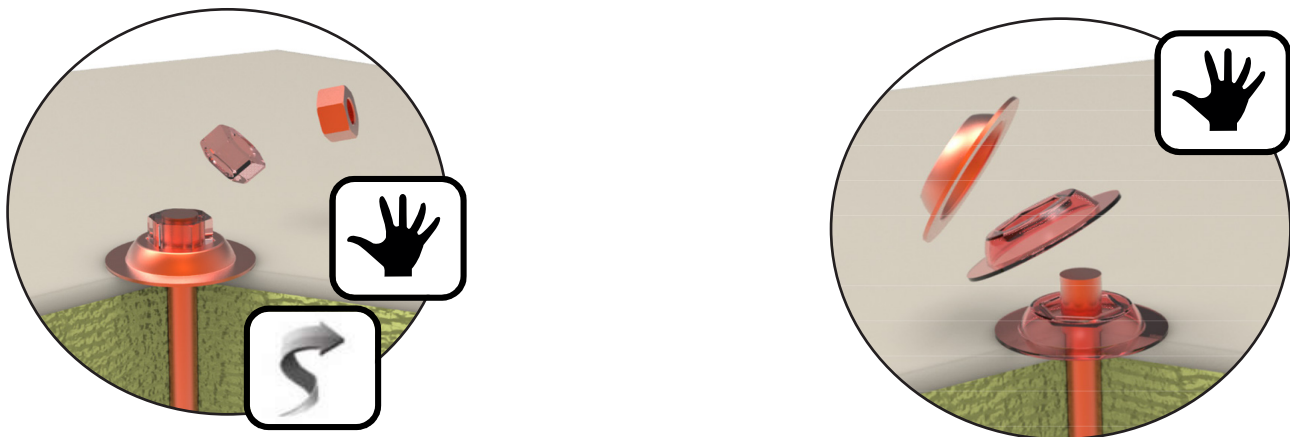




### 3. Anchor Cutting

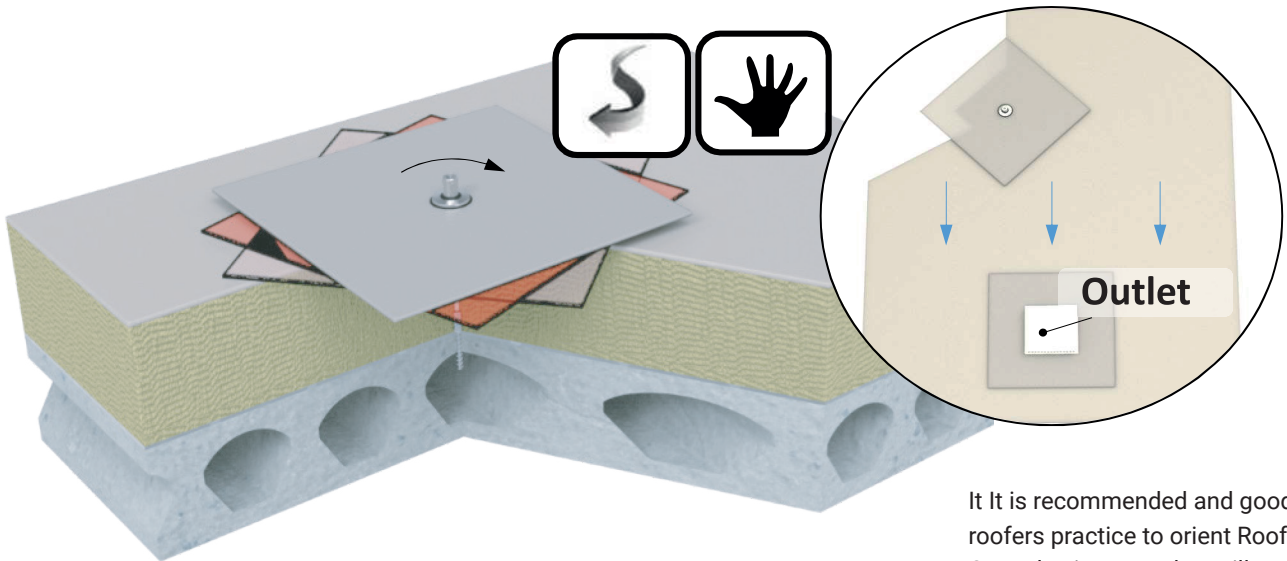


The Nut is turned downwards until it engages and aligns with the hex form of the distance washer, and the top surface of the Nut is used as the cutting surface when cutting the threaded rod.



At this point the Nut and the Distance Washer is removed and the anchor is now ready for the following installation of the Roof Console

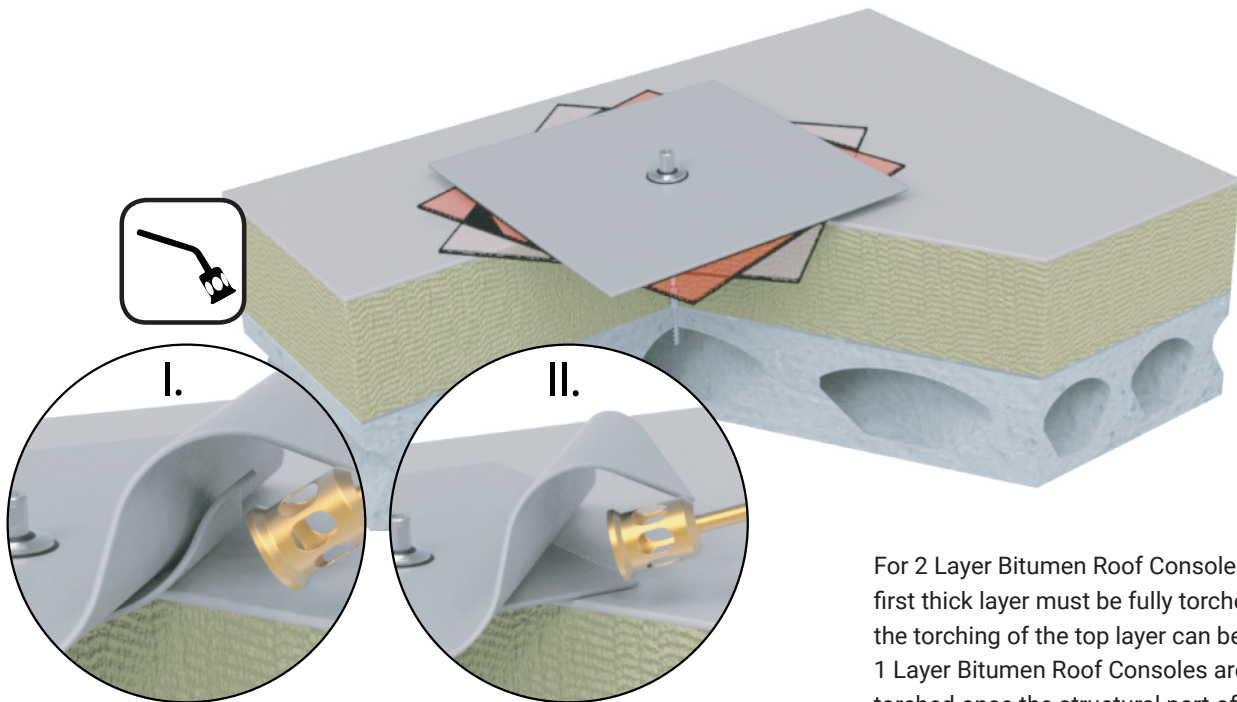
## 4. Installation on the Roof Console



The M12 thread hole on the Roof Console sub side is engaged with the threaded rod of the Trapez Anchor and the Roof Console is turned until a good contact to the existing roof surface is reached and until the intended orientation of the Console is obtained.

It is recommended and good roofers practice to orient Roof Consoles in a way that will ensure free passage of drainage water and water in general.

## 5. Torching of the Roof Console



For 2 Layer Bitumen Roof Consoles the first thick layer must be fully torched before the torching of the top layer can be initiated. 1 Layer Bitumen Roof Consoles are simply torched once the structural part of the installation is completed.

## Installation Guideline

With the completed installation of the Roof Consoles they are ready for the following installation of various equipment like; solar cells, solar collectors, heat pumps, roof terrasses and so on.

Should the situation, after reading the installation guideline, arise with questions or uncertainties about the general application or specific installation processes FIXNORDIC or any of the FIXNORDIC agents should be contacted.

General comments are also always most welcome and will be considered in the continuous delvelopment of the FIXNORDIC Console System.

